INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/31199

			FC1/0303/31199	
A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : H04B 7/212, 3/04; H04L 27/06; H04N 5/76; H04Q 7/20 US CL : 455/456; 375/234, 344; 386/83; 370/337 According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 455/456; 375/234, 344; 386/83; 370/337				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where a	ppropriate	, of the relevant passages	Relevant to claim No.
Y	US 5,206,886 A (BINGHAM) 27 April 1993 see fig.2 and col.6, lines 35-67 and col.9, lines 23-37			1-10
Y	US 6,266,534 B1 (RAITH et al) 24 July 2001 see figs. 5-6 and col.7, lines 50-67 and col.8, lines 10-35			1-10
Y	US 4,800,573 A (CUPO) 24 January 1989 see fig.1 and column 3, lines 42-67 and col.4,1 ines 1-40			1-10
Y	US 5,467,197 A (HOFF) 14 November 1995 see fig.4 and column 8, lines 1-67			1-10
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Further	documents are listed in the continuation of Box C.		See patent family annex.	
Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance.		*T"	"Y" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination	
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priority date claimed		_	document member of the same patent i	amiy
Date of the actual completion of the international search		Date of mailing of the international search report		
06 January 2004 (06.01.2004) Name and mailing address of the ISA/US			ed officer	- •
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Commissioner for Patents P.O. Box 1450		Emmanuel Bayard		
Alexandria, Virginia 223 13-1450		Telepho	ne No. 763 3 3 3 3 3 3 5 3 5 7 5 7 5 7 5 7 5 7 5	10 1
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